





Pallet Truck:

Li-ion Powered 1.2T- 1.5T- 2.0T



















# The EDGE Smart Design Pallet Trucks Family

## Performance



#### LPPT12 - EDGE

- 1.2T Capacity Li-ion
- Perfect for light-duty applications.
- Compact & skeleton design
- Fast-charging Li-ion batteries.
- Ideal for occasional operations
- Easy-battery replacement
- High maneuverability

#### LPPT15 - EDGE

- 1.5T Capacity (Li-ion)
- Perfect for light-duty applications.
- Compact & sharp design
- Light service weight
- Fast-charging Li-ion batteries.
- Ideal for use on retail stores, lorries.
- Easy-battery replacement



#### LPPT20 - EDGE

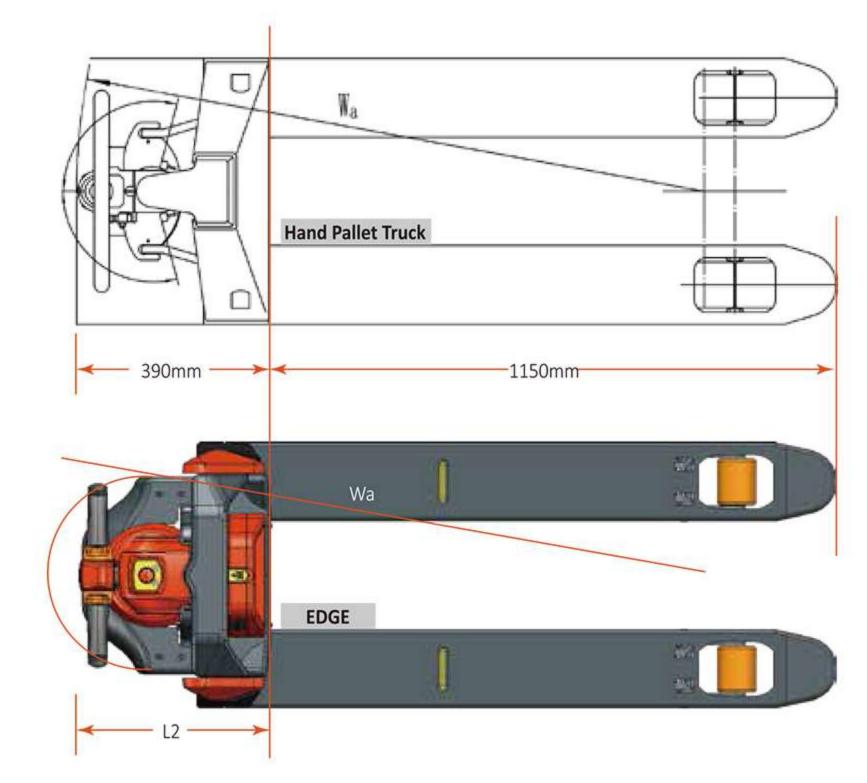
- 2.0T Capacity Li-ion
- Ultimate solution for heavy loads move
- Compact & robust design
- Fast-charging Li-ion batteries
- Easy-battery replacement
- Great grade-ability performance
- Powerful drive & pump system

## **Smart and Ergonomic Tillers**

The Edge series trucks are configured with control tillers adopted to meet with application needs based on trucks designated performance.



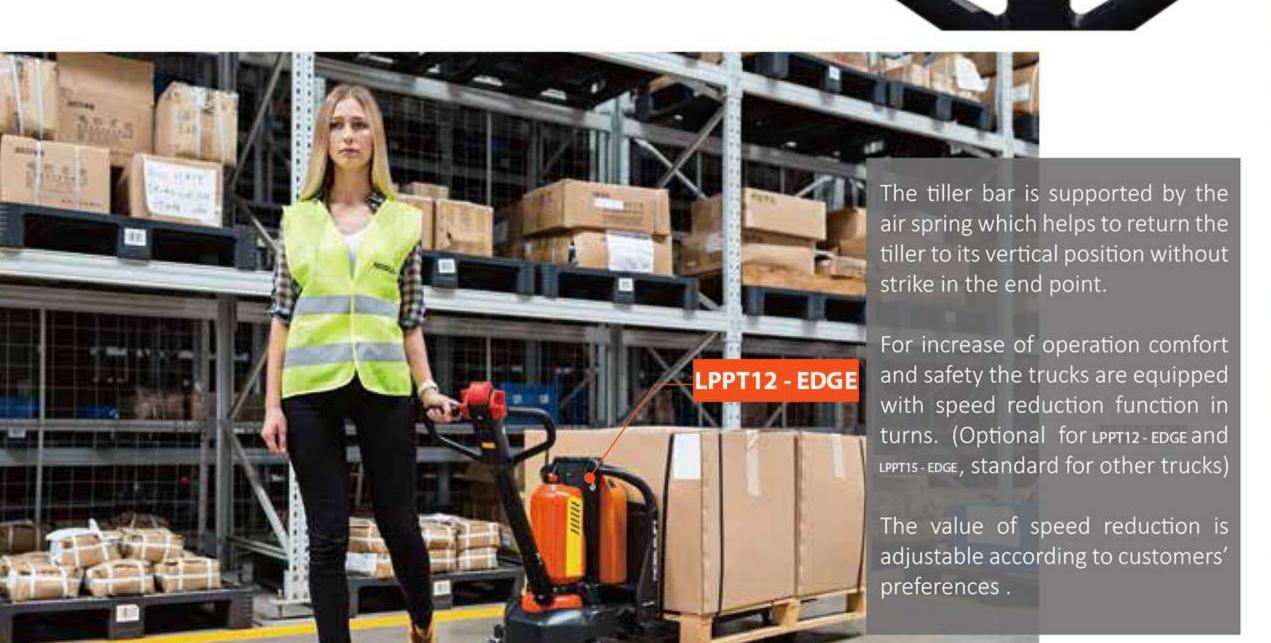
## **Compact Design and Vertical Driving**



Model	Body length (L2)	Turning Radius	Weight
LPPT12 - EDGE	387mm	1337mm	124kg
LPPT15 - EDGE	380mm	1330mm	123kg
LPPT20 - EDGE	386mm	1336mm	149kg

Our engineers put a lot of efforts to achieve compactness of the trucks in comparison with traditionally used manual and semi-electric products in order to provide full-electric solutions with high efficiency to replace old-fashioned low productive manual and semi-electric equipment and significantly reduce probability of injuries of operators caused by manual pumping or pushing/ pulling. At the same time, the service weight is minimized without compromising the robustness of the trucks esp. for delivery applications where the self-weight of the trucks is critical.

RFID card provides faster access to equipment and ideal for applications when one truck needs to be used by different operators





The function of driving with tiller in the **vertical position** helps with work in confined areas, especially in elevators and lorries without sacrificing of safety.



## **Smart & Replaceable Batteries for Pallet Trucks**

The LPPT - EDGE are equipped with maintenance-free Li-ion batteries, optional capacities for various applications are available, with its fast charging and opportunity charging features (charge whenever you want and as long as time allows) the operation time can be extended significantly.

All pallet trucks batteries are located in battery compartments securely, any possibility of movement is excluded, therefore the reliability of power supply is ensured.

Light weight of the battery(max. 8kg) and the easiest way of fast battery replacement allows even a female operator to double the working time within seconds. The light weight of the batteries can be achieved through use of Li-ion battery type with high ratio of energy density to its self-weight.



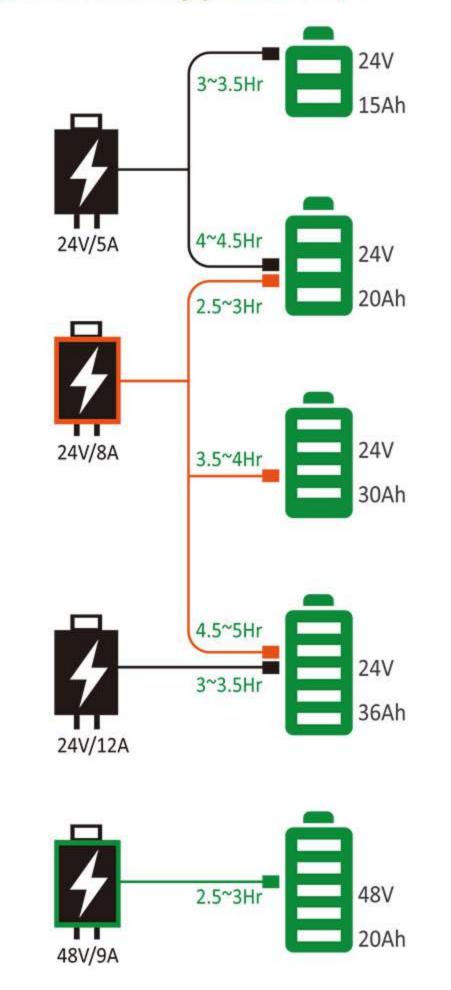


All Li-ion batteries are equipped with on-board Battery Management System (BMS), which provides mandatory control of all important parameters of the battery during charging and operation. With this control, the safety of Li-ion battery during the whole life-cycle is guaranteed. The Li-ion batteries are certified according to international safety transportation(by sea and by air) and operation standards. The BMS communicates with control system of the truck via CAN, the support of the CAN protocols allows to monitor the condition of the battery and make its diagnosis with help of special software which is available for our partners.



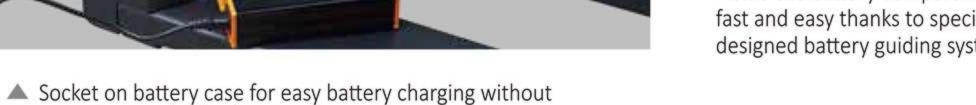


#### **Optional different battery** capacities from 20Ah to 36Ah for various applications



#### Manage your working time with selection of batteries and chargers







The positioning of the battery inside the battery compartment is fast and easy thanks to specially designed battery guiding system



Battery cases for pallet trucks are made out of ABS PC material with 15% of glass

The LPPT - EDGE remains unpowered while charger is connected with the battery charging socket even if the charger is disconnected from the power outlet, therefore, the safety is ensured and the possibility to damage the charger is excluded.

necessity to take the battery out



min. 2.5 hours | Excellent

working time

## **Gradeablity Performance & Robustness**



The Edge series trucks have great performance on ramps even when they are fully loaded regardless their economic positioning, each truck based on its performance level can climb on sufficient level of ramp, therefore, every customer can select the truck with consideration of particular working environment.

Model	LPPT12 - EDGE	LPPT15 - EDGE	LPPT20 - EDGE
Max. grade ability laden	4%	6%	7%
Max. grade ability unladen	16%	16%	16%

The frame of truck is surrounded by stamped steel elements making the truck looking different and also ensuring the protection of components for LPPT15 - EDGE and LPPT20 - EDGE

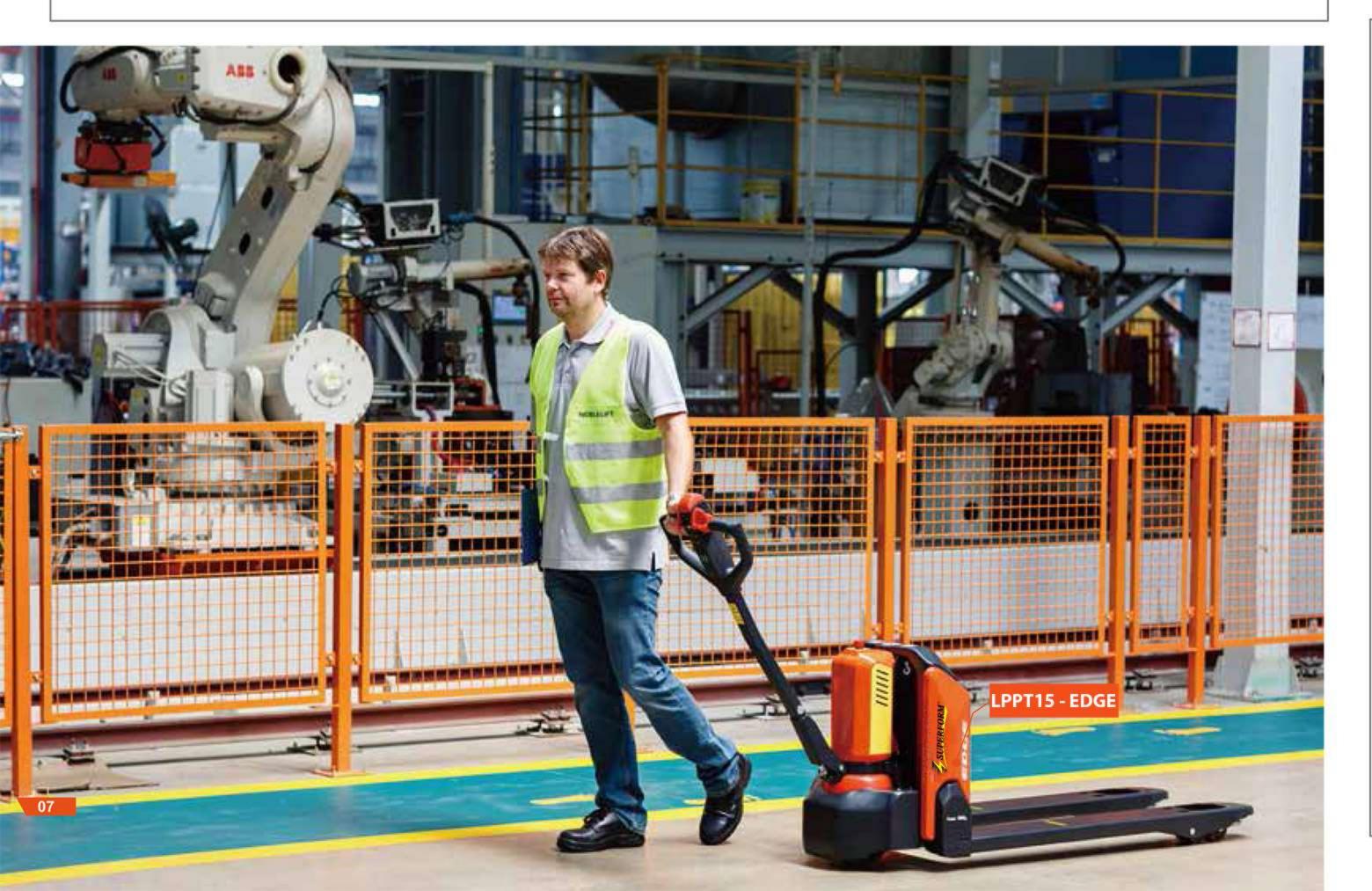
Forks of the truck with shape for easy entrance and exit from pallets for LPPT15 - EDGE and LPPT20 - EDGE Full length double sided C-shape reinforcements of forks significantly increase strength and rigidity of frame.

Strong steel apron protects the operator's feet during work and secures the truck's components from collisions with objects.











## **Maintenance Friendly**

#### **Drive motor with intelligent Curtis control**





For the pallet trucks there are no hoses or pipes used in the hydraulic lifting circuit which significantly improves reliability and reduces the amount of potential problems related to leakages through connectors or their seals.

The trucks are equipped with Curtis controllers, CAN-bus technology makes the diagnostic and troubleshooting easier. The use of proved and certified components helps to ensure the conformity to international safety standards with all the supporting documents available as required by law.



apaci	tv		
O	Ready	Min Volt	Max Volt
17.6%	24.50V	0mV	0mV
	24.500	Avg Volt	Communicatio
	0.00A	0.0mV	Normal

Realtime — Rated Capacity 60.0	Ah	Wh(Current) 0.0	Wh Reset
Discharge Cycle	CALL	Discharge Cycle	Meser
Times		Times	

Name	Value	Units
Cell Temp1	25.3	C
Cell Temp1	25.1	C
soc	45	1/255
Power Temp	27.1	C
Envir Temp	32.2	C
Cell Volt Alarm	none	
Total Volt Alarm	none	
Current Alarm	none	
Temp Alarm	none	
Balance Alarm	none	

olt —		
Name	Value	Units
Cell	3507	mV
Total	24.5	V
Current	0.0	Α
Run(Wh)	0	Wh

Each battery can be diagnosed via CAN connection with help of special software tool, the software can provide information about the battery condition such as balance of cells, amount of charging/discharging cycles, current, energy consumption, temperature, charging/discharging parameters, voltage of every cell, faults and alarms, settings of timing for automatic turn off.